

# Coaxial Fixed Attenuator (50Ω)



Series of P ≤ 100W

## ELECTRICAL CHARACTERISTICS:

Part No.	Avg Power Rang(W)	Peak Power(kW)	Freq Range (GHz)	VSWR	Nominal Attenuation(dB)	Connector
SH-400CFA2VJK..	2	0.2	DC-40	≤1.35	1-40	2.4mm
SH-420CFA2VJK...	2	0.2	DC-42	≤1.35	3,6,10,20,30	2.4mm
SH-500CFA2VJK...	2	0.2	DC-50	≤1.55	1-10,20	2.4mm
SH-400CFA5VJK...	5	0.2	DC-40	≤1.35	1-40	2.4mm
SH-400CFA10VJK...	10	0.2	DC-40	≤1.40	10-40	2.4mm
SH-400CFA20VJK...	20	0.2	DC-40	≤1.40	10-40	2.4mm
SH-265CFA2K2.92JK...	2	0.2	DC-26.5	≤1.25	1-40	2.92mm
SH-400CFA2K2.92JK...	0.5-2	0.2	DC-40	≤1.35	1-40	2.92mm
SH-265CFA5K2.92JK...	5	0.2	DC-26.5	≤1.25	1-40	2.92mm
SH-0400CFA5K2.92JK...	5	0.2	DC-40	≤1.35	1-40	2.92mm
SH-400CFA10K2.92JK...	10	0.2	DC-40	≤1.40	10-40	2.92mm
SH-400CFA20K2.92JK...	20	0.2	DC-40	≤1.40	3	2.92mm
SH-400CFA20K2.92JK...	20	0.2	DC-40	≤1.40	10-40	2.92mm
SH-400CFA30K2.92JK...	30	0.2	DC-40	≤1.40	30	2.92mm
SH-400CFA50K2.92JK...	50	0.5	DC-40	≤1.40	30,40	2.92mm
SH-180CFA2TNCJK...	2	0.5	DC-18	≤1.60	1-30	TNC
SH-180CFA2TNCK...	2	0.5	DC-18	≤1.35	40-90	TNC
SH-180CFA5TNCJK...	5	0.5	DC-18	≤1.35	1-30	TNC
SH-180CFA5TNCJK...	5	0.5	DC-18	≤1.35	40-90	TNC
SH-180CFA10TNCJK...	10	1	DC-18	≤1.35	1-30	TNC
SH-180CFA10TNCJK...	10	1	DC-18	≤1.35	40-90	TNC
SH-180CFA25TNCJK...	25	1	DC-18	≤1.35	10-40	TNC
SH-180CFA50TNCJK...	50	1	DC-18	≤1.35	3-40	TNC
SH-180CFA50TNCJK...	50	1	DC-18	≤1.40	10-40	TNC
SH-180CFA100TNCJK...	100	1	DC-18	≤1.30	10-40	TNC
SH-180CFA150TNCJK...	150	1	DC-18	≤1.40	10-40	TNC
SH-180CFA200TNCJK...	200	1	DC-18	≤1.45	10-40	TNC
SH-060CFA104.3/10JK...	10	1	DC-6	≤1.50	1-40	4.3/10
SH-060CFA254.3/10JK...	25	1	DC-6	≤1.25	1-40	4.3/10
SH-080CFA504.3/10JK...	50	5	DC-8	≤1.25	10-40	4.3/10
SH-040CFA1004.3/10JK...	100	5	DC-4	≤1.30	20,30,40	4.3/10
SH-060CFA1004.3/10JK...	100	5	DC-6	≤1.25	10-40	4.3/10
SH-060CFA1504.3/10JK...	150	5	DC-6	≤1.30	10-40	4.3/10
SH-060CFA2004.3/10JK...	200	5	DC-6	≤1.30	10-40	4.3/10
SH-265CFA23.5JK...	2	0.5	DC-26.5	≤1.25	1-70	3.5mm
SH-265CFA53.5JK...	5	0.5	DC-26.5	≤1.25	1-70	3.5mm

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Part No.	Avg Power Rang(W)	Peak Power(kW)	Freq Range (GHz)	VSWR	Nominal Attenuation(dB)	Connector
SH-265CFA103.5JK...	10	0.5	DC-26.5	$\leq 1.25$	1-70	3.5mm
SH-265CFA253.5JK...	25	0.5	DC-26.5	$\leq 1.3$	3-70	3.5mm
SH-265CFA503.5JK...	50	0.5	DC-26.5	$\leq 1.3$	3-60	3.5mm
SH-180CFA100NJK...	100	0.5	DC-18	$\leq 1.25$	3,6,10,20,30,40,50	3.5mm,SMA(M,F), SMK(2.92),N,TNC
SH-265CFA1005JK...	100	0.5	DC-26.5	$\leq 1.40$	3,6,10,20,30,40,50	3.5mm, SMA(M,F)SMK(2.92)
SH-0320CFA100SJK...	100	0.5	DC-32	$\leq 1.40$	10,20,30,40	SMK(2.92)
SH-124CFA25K...	2	0.2	DC-12.4	$\leq 1.35$	1-30	SSMA(M,F)
SH-060CFA2SJK...	2	0.5	DC-6	$\leq 1.20$	1-30	SMA(M,F)
SH-124CFA2BMAJK...	10	1	DC-12.4	$\leq 1.40$	1-20	BMA
SH-060CFA2QMASMA...	2	0.5	DC-6	$\leq 1.2$	1-30	Input QMA
SH-265CFA2SJK...	2	0.5	DC-26.5	$\leq 1.3$	1-12	SMA(M,F)
SH-180CFA2SJK...	2	0.5	DC-18	$\leq 1.35$	1-30	SMA
SH-180CFA2SK...	2	0.5	DC-18	$\leq 1.30$	1-50	SMA
SH-0300CFA25JK...	2	0.5	DC-30	$\leq 1.30$	3-30	SMA(M,F)
SH-265CFA25K...	2	0.5	DC-26.5	$\leq 1.35$	1-40	SMA
SH-265CFA2SKK...	2	0.5	DC-26.5	$\leq 1.35$	1-30	SMA(FF)
SH-265CFA2SJK...	2	0.5	DC-26.5	$\leq 1.40$	30-90	SMA(M,F)
SH-265CFA55JK...	5	0.5	DC-26.5	$\leq 1.35$	3-50	SMA(M,F)
SH-265CFA105JK...	10	0.5	DC-26.5	$\leq 1.35$	3-40	SMA(M,F)
SH-265CFA255JK...	25	1	DC-26.5	$\leq 1.35$	10-40	SMA(M,F)
SH-180CFA50NJK...	50	1	DC-18	$\leq 1.25$	10-60	-
SH-265CFA505JK...	50	1	DC-26.5	$\leq 1.30$	10-60	SMA(M,F,3.5(M,F).SMK(2.92)
SH-320CFA505JK...	50	1	DC-32	$\leq 1.35$	10,20,30,40	SMK(2.92)
SH-060CFAZNJK...	2	0.5	DC-6	$\leq 1.25$	1-40	N,SMA,TNC,BNC,CC11
SH-180CFA2NJK...	2	0.5	DC-18	$\leq 1.40$	1-50	N, TNC
SH-060CFASNJK...	5	0.5	Dc6	$\leq 1.25$	1-40	N,5MA,TNCBNC,CC11,L16
SH-180CFASNJK...	5	0.5	DC-18	$\leq 1.40$	1-50	N,TNC
SH-040CFA10NJK...	10	1	DC-4	$\leq 1.25$	1-40	N, SMA,TNC,BNC
SH-180CFA10NJK...	10	1	DC-18	$\leq 1.40$	10-40	N, SMA,TNC
SH-180CFA10NJK...	10	1	DC-18	$\leq 1.30$	1-40	N,TNC
SH-124CFA10NK...	10	1	DC-12.4	$\leq 1.30$	10-60	N, TNC
SH-040CFA25NJK...	25	1	DC-4	$\leq 1.25$	1-50	N, SMA, TNC,BNC,7/16
SH-180CFA25NJK...	25	1	DC-18	$\leq 1.40$	10-40	N,TNC,SMA
SH-180CFA25NJK...	25	1	DC-18	$\leq 1.30$	10-70	N, TNC
SH-180CFA25NJK...	25	1	DC-18	$\leq 1.40$	10-60	N,SMA,TNC
SH-060CFA305JK...	30	1	DC-6	$\leq 1.30$	1-40	N,SMA,BNC,7/16

# Coaxial Fixed Attenuator (50Ω)



Series of  $P \leq 100W$

## ELECTRICAL CHARACTERISTICS:

Part No.	Avg Power Rang(W)	Peak Power(kW)	Freq Range (GHz)	VSWR	Nominal Attenuation(dB)	Connector
SH-060CFA30NJK...	30	5	DC-6	1.20	3-40	N
SH-100CFA30NJK...	30	5	DC-10	1.20	3-40	N
SH-040CFA50NJK...	50	10	DC-4	1.35	1-40	N,SMA, 7/16,TNC, BNC
SH-040CFA50NJK...	50	10	DC-4	1.35	1-40	N,7/16
SH-100CFA50NJK...	50	5	DC-10	1.35	3-40	N, 7/16
SH-180CFA50NJK...	50	1	DC-18	1.35	3-40	N,SMA
SH-180CFA50NJK...	50	1	DC-18	1.25	10-60	N
SH-180CFA50NJK...	50	1	DC-18	1.35	10-40	N,TNC,SMA
SH-100CFA50NJK...	50	5	DC-10	1.35	3-40	7/16(DC-4),N
SH-040CFA60NJK...	60	10	DC-4	1.35	1-40	N,SMA, 7/16,TNC, BNC
SH-100CFA60NJK...	60	5	DC-10	1.35	3-40	N,7/16
SH-100CFA80NJK...	80	10	DC-10	1.35	10-40	N,7/16,TNC,BNC
SH-180CFA80NJK...	80	1	DC-18	1.40	10-40	N, SMA
SH-100CFA80NJK...	80	5	DC-10	1.40	3-40	N,7/16(DC-2.5)
SH-040CFA100NJK...	100	10	DC-4	1.35	10-50	N, 7/16
SH-040CFA100NJK...	100	5	DC-4	1.25	30	N,7/16
SH-0730CFA100NJK...	100	5	0.7-3	1.20	30,40	N
SH-180CFA100NJK...	100	1	DC-18	1.45	3-50	N
SH-180CFA100NJK...	100	1	DC-18	1.40	3-50	N
SH-180CFA100NJK...	100	1	DC-18	1.40	3-40	N
SH-100CFA100NJK...	100	5	DC-10	1.50	3-40	7/16(DC-4),N
SH-100CFA100NJK...	100	5	DC-10	1.50	3-40	7/16(DC-4),N
SH-0160CFA2NJK...	2-5	0.5	0.1-6	1.30	1-9,10,20,30,40	N
SH-0160CFA10NJK...	10	1	0.1-6	1.30	1-9,10,20,30,40	N
SH-0160CFA25NJK...	25	1	0.1-6	1.30	1-9,10,20,30,40	N
SH-0160CFA50NJK...	50	5	0.1-6	1.30	3/6,10,20,30,40	N
SH-0140CFA100NJK...	100	5	0.1-4	1.25	20,30,40	N
SH-060CFA10QSMAJK...	10	0.5	DC-6	1.20	30	QSMA

# Coaxial Fixed Attenuator (50Ω)



Series of  $P \leq 500W$

## ELECTRICAL CHARACTERISTICS:

Part No.	Avg Power Rang(W)	Peak Power(kW)	Freq Range (GHz)	VSWR	Nominal Attenuation(dB)	Connector
SH-040CFA150NJK...	150	10	DC-4	1.15-1.40	10,20,30,40,50	N,7/16
SH-180CFA150NJK...	150	1	DC-18	1.30-1.45	3,6,10,20,30,40,50	N,SMA
SH-180CFA150NJK...	150	1	DC-18	1.25-1.35	3,6,10,20,30,40,50	N
SH-100CFA150NJK...	150	5	DC-10	1.15-1.50	3,6,10,20,30,40	N,7/16
SH-040CFA200NJK...	200	10	DC-4	1.20-1.40	10,20,30,40,50	N,7/16
SH-100CFA200NJK...	200	5	DC-10	1.15-1.45	10,20,30,40	N,7/16
SH-180CFA200NJK...	200	1	DC-18	1.25-1.50	10,20,30,40,50	N
SH-040CFA250NJK...	250	10	DC-4	1.20-1.40	10,20,30,40,50	N,7/16
SH-050CFA250NJK...	250	10	DC-5	1.15	40	N,7/16
SH-100CFA250NJK...	250	5	DC-10	1.20-1.45	10,20,30,40	N,7/16
SH-100CFA250NJK...	250	5	DC-10	1.20-1.45	10,20,30,40	N,7/16
SH-180CFA250NJK...	250	1	DC-18	1.25-1.55	10,20,30,40,50	N
SH-040CFA300NJK...	300	10	DC-4	1.20-1.50	10,20,30,40,50	N,7/16
SH-180CFA300NJK...	300	1	DC-18	1.20-1.55	10,20,30,40,50	N
SH-100CFA300NJK...	300	5	DC-10	1.25-1.45	30,40,50	N,7/16
SH-130CFA350NJK...	350	1	DC-13	1.30-1.50	6,10,20,30,40	N(J,K)
SH-040CFA350NJK...	350	1	DC-4	1.3	30	N
SH-040CFA400NJK...	400	10	DC-4	1.20-1.50	10,20,30,40,50	N,7/16
SH-100CFA400NJK...	400	5	DC-10	1.25-1.45	40,50	N,7/16
SH-040CFA500NJK...	500	10	DC-4	1.20-1.50	10,20,30,40,50	N,7/16
SH-100CFA500NJK...	500	5	DC-10	1.25-1.45	30,40,50	N,7/16

## Coaxial Fixed Attenuator (50Ω)



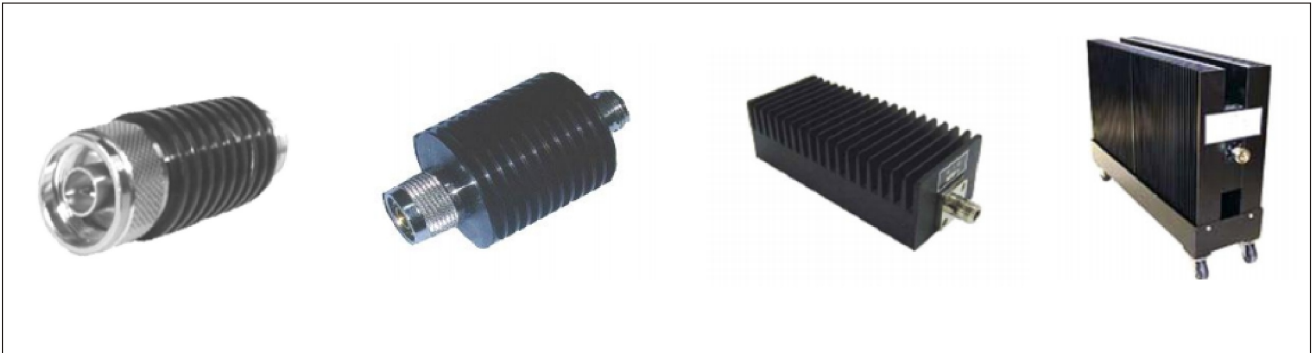
Series of P > 500W

### ELECTRICAL CHARACTERISTICS:

Part No.	Avg Power Rang(W)	Peak Power(kW)	Freq Range (GHz)	VSWR	Nominal Attenuation(dB)	Connector
SH-040CHPFA800NJK...	800	10	DC-4	1.20-1.50	40,50,60	N,7/16
SH-060CHPFA1000NJK...	1000	10	DC-6	1.35	50	N,7/16
SH-030CHPFA1000NJK...	1000	10	DC-3	1.40	40,50	N,7/16
SH-030CHPFA1500NJK...	1500	10	DC-3	1.40	40,50	N,7/16
SH-030CHPFA2000NJK...	2000	10	DC-3	1.40	40,50	N,7/16
SH-020CHPFA1000NJK...	1000	50	DC-2	1.20-1.30	30,40,50	N,7/16
SH-020CHPFA1000NJK...	1000	50	DC-2	1.20-1.30	30,40,50	N,7/16
SH-020CHPFA1000NJK...	1000	50	DC-2	1.20-1.30	30,40,50	N,7/16
SH-020CHPFA2000NJK...	2000	50	DC-2	1.20-1.30	30,40,50	N,7/16
SH-020CHPFA2000NJK...	2000	50	DC-2	1.20-1.30	30,40,50	N,7/16
SH-020CHPFA3000NJK...	3000	50	DC-2	1.30	30,40,50	N,7/16
SH-010CHPFA4000NJK...	4000	100	DC-1	1.40	30,40,50	N,7/16
SH-010CHPFA5000NJK...	5000	100	DC-1	1.40	30,40,50	7/16,L36, L52
SH-010CHPFA10000NJK...	10000	100	DC-1	1.40	30,40,50	7/16,L36, L52

## COAXIAL FIXED ATTENUATOR

Shinhom Microwave supplies a wide selection of high quality Fixed Attenuators ranging from 2 W to 10 kW in standard Attenuation values of 3, 6, 10, 20, 30, 40 and 50 dB. Please call us with your requirements and discuss your needs with one of our sales engineers.



### ELECTRICAL CHARACTERISTICS:

Part No.	Avg Power (W)	Peak Power (kW)	Freq Range (GHz)	VSWR	Nom Attenuation Value(dB)	Coax Connector Type	Impedance ( $\Omega$ )
SH-180CFA2S1	2	0.5	DC-18	1.15-1.35	1-6,7-8,9-12	SMA	50
SH-180CFA2S2	2	0.5	DC-18	1.15-1.35	1-9,10,20,30	SMA	50
SH-180CFA2S3	2	0.5	DC-18	1.10-1.30	1-9,10,20,30	SMA	50
SH-265CFA2S	2	0.5	DC-26.5	1.10-1.35	1-9,10,20,30	SMA	50
SH-180CFA2S4	2	0.5	DC-18	1.15-1.35	1-9,10,20,30	SMA	50
SH-180CFA3N	3	0.5	DC-18	1.15-1.35	40,50,60,70,80,90	N,SMA,TNC	50
SH-180CFA5S	5	0.5	DC-18	1.15-1.40	3,6,10,20	SMA	50
SH-180CFA10S	10	0.5	DC-18	1.15-1.40	3,6,10,20,30	SMA	50
SH-040CFA2N	2	0.5	DC-4	1.10-1.20	1-9,10,20,30,40	N,BNC,SMA,TNC,L16	50
SH-180CFA2N1	2	0.5	DC-18	1.15-1.35	1-9,10,20,30,40	N,SMA	50
SH-180CFA2N2	2	0.5	DC-18	1.15-1.35	50,60,70,80,90	N,SMA	50
SH-040CFA5N	5	0.5	DC-4	1.10-1.20	1-9,10,20,30,40	N,BNC,SMA,TNC	50
SH-180CFA5N1	5	0.5	DC-18	1.15-1.35	10,20,30,40	N,SMA	50
SH-180CFA5N2	5	0.5	DC-18	1.15-1.35	50,60,70,80,90	N,SMA	50
SH-040CFA10N	10	1	DC-4	1.10-1.20	1-9,10,20,30,40	N,BNC,SMA,TNC,7/16	50
SH-180CFA10N1	10	1	DC-18	1.15-1.35	10,20,30,40	N,SMA	50
SH-180CFA10N2	10	1	DC-18	1.15-1.35	10,20,30,40,50,60,70,80,90	N,SMA,TNC	50
SH-040CFA25N	25	1	DC-4	1.10-1.20	1-9,10,20,30,40,50	N,SMA,TNC,BNC	50
SH-180CFA25N1	25	1	DC-18	1.15-1.35	10,20,30,40	N,SMA,TNC,BNC	50
SH-180CFA25N2	25	1	DC-18	1.10-1.40	10,20,30,40,50,60,70,80,90	N,SMA,TNC,BNC	50
SH-040CFA30N	30	1	DC-4	1.10-1.20	1-9,10,20,30,40	N,SMA,TNC,BNC,7/16	50

**ELECTRICAL CHARACTERISTICS:**

Part No.	Avg Power (W)	Peak Power (kW)	Freq Range (GHz)	VSWR	Nom Attenuation Value(dB)	Coax Connector Type	Impedance ( $\Omega$ )
SH-040CFA50N1	50	10	DC-4	1.10-1.35	10,20,30,40,50	N,SMA,TNC,BNC,7/16	50
SH-040CFA50N	50	10	DC-4	1.10-1.20	10,20,30,40	N,SMA,TNC,BNC,7/16	50
SH-180CFA50N	50	10	DC-18	1.15-1.35	10,20,30,40	N,SMA,TNC,BNC,7/16	50
SH-100CFA50N1	50	5	DC-10	1.10-1.35	3/6,10,20,30,40	N,7/16	50
SH-100CFA50N2	50	5	DC-10	1.10-1.35	3/6,10,20,30,40	N,7/16	50
SH-040CFA80N	80	10	DC-4	1.10-1.35	10,20,30,40,50	N,7/16,TNC,BNC	50
SH-180CFA80N	80	1	DC-18	1.10-1.45	10,20,30,40	N,SMA	50
SH-100CFA80N	80	5	DC-10	1.10-1.35	3/6,10,20,30,40	N,7/16	50
SH-040CFA100N1	100	10	DC-4	1.10-1.35	10,20,30,40,50	N,7/16	50
SH-180CFA100N	100	1	DC-18	1.20-1.45	10,20,30,40	N,SMA	50
SH-100CFA100N1	100	5	DC-10	1.10-1.35	20,30,40,50	N,7/16	50
SH-040CFA150N	150	10	DC-4	1.15-1.35	10,20,30,40,50	N,7/16	50
SH-180CFA150N	150	1	DC-18	1.20-1.60	30,40	N	50
SH-100CFA150N	150	5	DC-10	1.10-1.35	20,30,40	N,7/16	50
SH-040CFA200N	200	10	DC-4	1.15-1.40	10,20,30,40,50	N,7/16	50
SH-100CFA200N1	200	5	DC-10	1.15-1.45	10,20,30,40,50	N,7/16	50
SH-040CFA250N	250	10	DC-4	1.15-1.40	10,20,30,40,50	N,7/16	50
SH-100CFA250N	250	5	DC-10	1.15-1.45	10,20,30,40	N,7/16	50
SH-040CFA300N1	300	10	DC-4	1.15-1.50	10,20,30,40,50	N,7/16	50
SH-100CFA300N	300	5	DC-10	1.25-1.45	30,40	N	50
SH-040CFA400N	400	10	DC-4	1.20-1.50	10,20,30,40,50	N,7/16	50
SH-080CFA400N	400	5	DC-8	1.25-1.45	40,50	N	50
SH-040CFA500N	500	10	DC-4	1.20-1.50	10,20,30,40,50	N,7/16	50
SH-075CFA500N	500	5	DC-7.5	1.25-1.50	40,50	N	50
SH-040CFA800N	800	10	DC-4	1.20-1.50	40,50,60	N,7/16	50
SH-030CFA1000N	1000	10	DC-3	$\leq 1.40$	40,50	N,7/16,L27	50
SH-030CFA1500N	1500	10	DC-3	$\leq 1.40$	40,50	N,7/16,L27	50
SH-030CFA2000N	2000	10	DC-3	$\leq 1.40$	40,50	N,7/16,L27	50
SH-020CFA1000N	1000	50	DC-2	$\leq 1.30$	30,40,50	N,7/16,L27	50
SH-020CFA2000N	2000	50	DC-2	$\leq 1.30$	30,40,50	N,7/16,L27	50
SH-020CFA3000N	3000	50	DC-2	$\leq 1.30$	30,40,50	N,7/16,L27	50
SH-010CFA4000N	4000	100	DC-1	$\leq 1.40$	30,40,50	N,7/16,L27	50
SH-010CFA5000N	5000	100	DC-1	$\leq 1.40$	30,40,50	L29,L36,L50	50
SH-010CFA10000N	10000	200	DC-1	$\leq 1.40$	30,40,50	L29,L36,L50	50
SH-010CFA1F1	1	0.5	DC-1	$\leq 1.15$	10,20,30,40	F,N	75
SH-010CFA1F2	1	0.5	DC-1	$\leq 1.10$	1,2,4,8,16,20	F	75
SH-030CFA2N	2	0.5	DC-3	$\leq 1.25$	1-9,10,20,30	N,BNC	75
SH-030CFA5N	5	0.5	DC-3	$\leq 1.25$	1-9,10,20,30	N,BNC	75

## ELECTRICAL CHARACTERISTICS:

Part No.	Avg Power (W)	Peak Power (kW)	Freq Range (GHz)	VSWR	Coax Connector Type	Impedance (Ω)
SH-040CFA50N2	50	10	DC-4	≤1.35	N,SMA	50
SH-040CFA100N2	100	10	DC-4	≤1.40	N,SMA	50
SH-040CFA300N2	300	10	DC-4	≤1.40	N,SMA	50
SH-100CFA50N3	50	10	DC-10	≤1.35	N,SMA	50
SH-100CFA100N2	100	10	DC-10	≤1.40	N,SMA	50
SH-100CFA200N2	200	10	DC-10	≤1.40	N,SMA	50

\*Indicates Model Number. See Ordering Information for complete part number.

### Ordering Information

