

QCN-45D+



CASE STYLE: FV1206-1
PRICE: \$4.45 ea. QTY (20)

+RoHS Compliant
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Reel Size	Devices/Reel
7"	20, 50, 100, 200, 500, 1000, 3000

- wide band, 2500-4500 MHz
- low insertion loss, 0.4 dB typ.
- wrap-around terminal for excellent solderability
- ultra small, 0.12"X0.06"X0.035"
- patent pending

- balanced amplifiers
- modulators
- MMDS
- defense communications

FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) Avg. of Coupled Outputs ABOVE 3 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)
f_L - f_U	Typ. Min.	Typ. Max.	Typ. Max.	Typ. Max.	Typ.
2500-4500					
2500-3500	22 16	0.4 0.7	1 4	0.5 1.7	1.2
3500-4500	19 15	0.5 0.8	3 6	1.0 2.1	1.2

1. For applications requiring DC voltage to be applied to the RF ports. DC resistance to ground is 100 Mohms min.

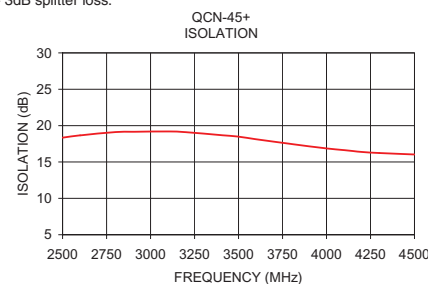
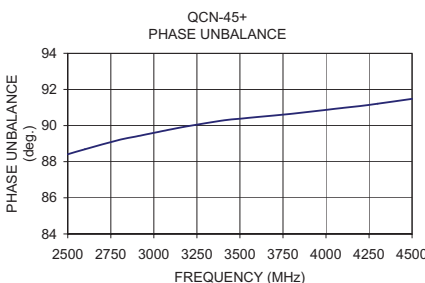
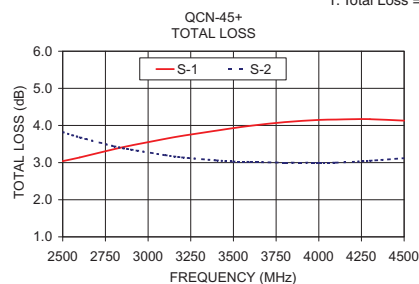
Frequency (MHz)	Total Loss¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
2500.00	3.04	3.82	0.78	18.35	88.41	1.20	1.21	1.26
2600.00	3.14	3.68	0.54	18.66	88.69	1.19	1.18	1.24
2800.00	3.36	3.44	0.09	19.11	89.21	1.18	1.13	1.20
2900.00	3.46	3.35	0.11	19.15	89.40	1.19	1.11	1.18
3100.00	3.64	3.20	0.44	19.20	89.79	1.22	1.08	1.17
3200.00	3.72	3.14	0.57	19.10	89.97	1.22	1.08	1.16
3400.00	3.86	3.06	0.80	18.69	90.28	1.25	1.08	1.12
3500.00	3.93	3.03	0.90	18.48	90.38	1.27	1.09	1.11
3600.00	3.99	3.02	0.97	18.13	90.47	1.29	1.10	1.12
3800.00	4.09	3.00	1.09	17.47	90.65	1.32	1.11	1.12
4000.00	4.15	3.00	1.15	16.86	90.87	1.33	1.12	1.12
4100.00	4.16	3.00	1.16	16.63	90.98	1.34	1.12	1.13
4200.00	4.17	3.02	1.15	16.38	91.08	1.35	1.12	1.13
4300.00	4.17	3.05	1.13	16.23	91.21	1.35	1.13	1.14
4500.00	4.13	3.12	1.01	16.03	91.48	1.36	1.13	1.13

1. Total Loss = Insertion Loss + 3dB splitter loss

A	B	C	D	E	F
.126	.063	.035	.024	.022	.011
3.20	1.60	0.89	0.61	0.56	0.28
G	H	J	K		wt
.039	.024	.042	.123		grams
0.99	0.61	1.07	3.12		.020

NOTES: 1. TRACE WIDTH IS SHOWN FOR ROGERS R04350B WITH DIELECTRIC THICKNESS 0.020" $\pm$ 0.0015"; COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE ADJUSTED.

2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
-  DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
-  DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK



For detailed performance specs
& shopping online see web site

REV. D
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