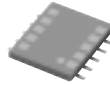


Surface Mount

800 MHz to 2400 MHz



QBA

MODEL NO. ◆	FREQ. RANGE MHz f_L - f_U	ISOLATION dB		◆ INSERTION LOSS, dB Avg. of Coupled Outputs less 3 dB			PHASE UNBALANCE Degrees Max.	AMPLITUDE UNBALANCE dB Max.	CASE STYLE Note B	CON- NEX- TION	PRICE \$ Qty. (10-49)
		Typ.	Min.	f_L \bar{x}	f_U \bar{x}	σ					
QBA-12N*	800-900	28	20	0.25	0.30	.02	3.0	1.0	SM33	If	6.95
QBA-12*	800-1200	23	14	0.25	0.44	.02	6.0	1.2	SM33	If	6.95
QBA-20*	1800-2000	23	18	0.47	0.54	.02	4.0	0.7	SM33	If	6.95
QBA-20W*	1500-2200	23	16	0.41	0.58	.02	5.0	1.2	SM33	If	6.95
QBA-24*	1900-2400	21	17	0.54	0.71	.02	6.0	0.8	SM33	If	6.95
QBA-24W*	1700-2400	21	15	0.49	0.71	.02	6.0	1.2	SM33	If	6.95

◆ Includes test fixture losses.

BLUE CELL

features

- low insertion loss, 0.25 dB typ. (QBA-12N)
- high power capability (50 watts for QBA-12N)
- high isolation, 28 dB typ. (QBA-12N)
- ceramic body, good for heat dissipation
- solder plated leads for excellent solderability

applications

- cellular
- instrumentation
- PCN



Incorporates multi-layer monolithic ceramic substrates for moderate bandwidth and low cost RF/Microwave products

NOTES:

- ◆ QBA models, aqueous washable.
- * BLUE CELL™ power splitters protected by U.S. Patents 5534830 & 5640699
- A. Environmental specifications and re-flow soldering information available in General Information Section.
- B. Units are non-hermetic unless otherwise noted. For details on case dimensions & finishes see "Case Styles & Outline Drawings".
- C. Prices and Specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current ratings:
 - 1a. Matched power rating, as splitters
 - QBA-12N/-12, 50W max. below 25°C. Derate linearly to 10W at 85°C.
 - QBA-20/-20W, 25W max. below 25°C. Derate linearly to 5W at 85°C.
 - QBA-24/-24W, 20W max. below 25°C. Derate linearly to 4W at 85°C.

pin connections

see case style outline drawings

PORT	If
SUM PORT	1
PORT 1	10(0°)
PORT 2	6(-90°)
GND EXT.	2,3,4,7,8,9
50 OHM TERM.	5
NOT USED	—



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