DSRMC06 (100 MHz – 1 GHz)

Universal Single Path Multi-Receiver Receiver Multicoupler

dbSpectra Always a Better Value

MOTOROLA SOLUTIONS

ELECTRICAL SPECIFICATIONS

Frequency Range	See Ordering Information
System Gain (typical)	15 dB (0 dB attenuator setting)
LNA Type	Quadrature Coupled
Isolation: RX to RX Port	20 dB (min)
VSWR (Input/Output)	1.5:1 (at 50 Ohms)
Power Requirements	90-240 VAC @ 50/60 Hz or -48 VDC
Attenuator	Adjustable via DIP Switch 0-15 dB in 1 dB steps
Test Port	Integrated Test Coupler for RX Testing
Return Loss	> 14 dB

MECHANICAL SPECIFICATIONS

RX Antenna Input Connector	N-Female
Connector to RX Filter	N-Female
Connector from Filter	N-Female
Test Port Input Connector (Front)	BNC-Female
Alarm Contacts	Form-C Contacts
Temperature Range	-30° to +60° C
Color	Tek Black / Gold Alodine
Mounting Hardware	EIA 19” Rack Mountable

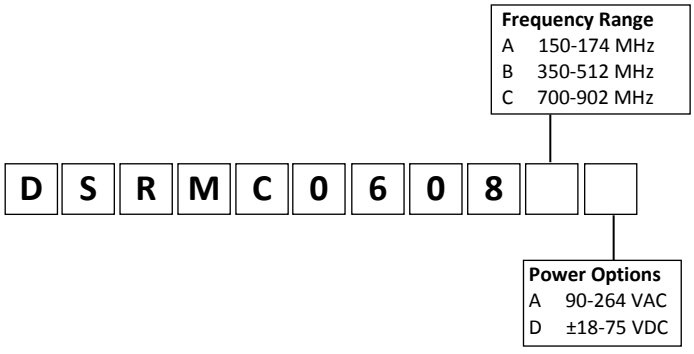
DIMENSIONS

Width	19 in. (482.6 mm)
Height	1.75 in. (44.45 mm)
Depth	10.25 in. (260.3 mm)
Height (RU)	1

NOISE FIGURE AND GAIN

Frequency Range	System Noise Figure	LNA Gain	LNA Noise Figure	Amplifier IP3 (Output)
150 – 174 MHz	3 dB	30 dB	2.3 dB	43 dBm (typical)
350 – 512 MHz	3 dB	30 dB	2.2 dB	46 dBm (typical)
700 – 902 MHz	1.5 dB	33 dB	0.8 dB	40 dBm (typical)

ORDERING INFORMATION



FEATURES AND BENEFITS

- Quadrature coupled low noise amplifier (LNA)
- Post-LNA electronic attenuator for optimum gain setting
- Test port to allow receiver system sensitivity testing
- Alarm output dry contact
- 16 channels in 1 RU of space
- External filter ports

ACCESSORIES

DSBCRMC06EXP – 8 Channel expansion kit will be factory installed when ordered with RMC.