



BSC322-2 Twin Universal

DMS International

320 Northpoint Parkway SE
Suite B

Acworth, GA 30102 USA

Tel: 770-529-6800

Fax: 770-529-6840

email: sales@dmsiusa.com

Site: <http://www.dmsiusa.com>

Input Frequency:	Low Band: 10.7 - 11.7 GHz	High Band: 11.7 - 12.75 GHz
Output Frequency:	Low Band: 0.95 - 1.95 GHz	High Band: 1.1 - 2.15 GHz
L.O. Frequency:	Low Band: 9.75 GHz	High Band: 10.6 GHz
Conversion Gain:	Low Band: 53 dB (Min.)	High Band: 63 dB (Max.)
Cross Pol. Isolation:	Low Band: 23 dB (Min.)	High Band: 28 dB (Max.)
Band Switching:	Low Band = 0 KHz	High Band = 22 KHz tone
Gain Flatness:	8dB(over band) +/-1dB/54MHz	
L.O. Frequency Stability:	+25°C = +/- 1 MHz	
	-40°C to +60°C = +/- 2 MHz	
L.O. Phase Noise:	1 KHz Offset = -50 dBc/Hz	
	10 KHz Offset = -75 dBc/Hz	
	100 KHz Offset = -95 dBc/Hz	
Image Rejection:	45 dB (min.)	
Output VSWR	2.0 : 1 (Max.)	
Noise Figure:	0.3 dB (Typ.)	
Output Connector:	75 Ω "F" type female x 2	
Reflector Input Type:	Offset	
Input Interface:	Corrugated Horn	
Output Interface:	75Ω "F" type female connector	
F/D Ratio:	0.6	
Mounting:	40mm throat	
Power Supply:	10.5 - 22.0 VDC	
Power Consumption:	160 mA (Max.)	
IF Band Spurious (1700 MHz)	-57dBm (Max.)	
Polarity Switching:	Vertical: 10.5 - 14.0 VDC	
	Horizontal: 16.0 - 19.0 VDC	
Operating Temperature:	-40°C to +60°C	