

MLE300SAFRCVR-SC/XXC Forward Optical Receiver 54-1002 MHz

Module only specifications unless noted

Optical Specifications			
Parameter	Units	SYSTEMAX II Standard RX	Notes
Pass Band	MHz	54-1002	
Frequency Response	dB	+/-0.5	1
Input Wavelength	nm	1290-1600	
Optical Input Range	mW	0.5 to 1.6	
	dBm	-3 to +2	
Optical Connector	-	SC/APC or SC/UPC	
RF Output Level @ -3 dBm Optical Input	dBmV	21.5	1
RF Output Level @ +2 dBm Optical Input		31.5	
RF Output Test Point (75 ohms)	dB	-20 +/-1.0	1
Mini-SMB RF Output Test Point (75 ohms)			
DC Voltage	VDC	24 +/-0.5	
DC Current Draw (maximum)	mA	320	
Optical Monitor and Alert			
Optical Input Test Point (+/-10%)	VDC	1V/mW	
LED = Off (indicates no Optical Input)	-	-	
LED = Blue (indicates a low Optical Input)	dBm	-3 and lower	
LED = Green (indicates a good Optical Input)	dBm	-3 to +2	
LED = Red (indicates a high Optical Input)	dBm	+2 and higher	
Link Performance @ -3 dBm			
Channel Loading	NTSC	130	1,2
Carrier/Noise	dB	49	1,2
CTB	dBc	-69	1,2
CSO	dBc	-65	1,2
Link Performance @ +2 dBm			
Channel Loading	NTSC	130	1,3
Carrier/Noise	dB	52	1,3
CTB	dBc	-71	1,3
CSO	dBc	-63	1,3

Notes:

1. Measured using the following plug-ins in the SYSTEMAX II standard receiver, Gain Pad = MPBNP10A-00, Slope Pad = MPBNP10A-00.
2. Measured using a DT-813C-TX transmitter at 15 dB link with 130 NTSC analog channels (no digital).
3. Measured using a DT-813C-TX transmitter at 10 dB link with 130 NTSC analog channels (no digital).

Accessories	
Factory Installed Plug-ins	Plug-in Series
Gain Pad = MPBNP10A-00	MPBNP10A
Slope Pad = MPBNP10A-03	MPBNP10A