



EKSELANS BY ITS

OPTICAL RECEIVER FOR 4 POLARITIES OF SATELLITE + TERR. RO ST 44

- Excellent linearity and flatness
- Single mode fiber high return loss
- Ultra low noise technology
- Build in CWDM, using high linear PD
- Build in optical AGC function
- Red-LED for power indication

REFERENCE		RO ST 44	
Code		276003	
Customer interface			
RF connector		F-female	
Optical connector		SC/APC	
Power supply		F-female	
Optical parameter			
Optical returnloss	dB	≥ 45dB	
Input optical wavelength	nm	1510	VL-Rx
		1530	HL-Rx
		1550	VH+Terr.-Rx
		1570	HH-Rx
Responsivity	A/W	≥ 0.9	
Input optical power	dBm	-15~3	
	dBm	-7~2	
Optical fiber type		Single mode	
Terr. + Sat-IF parameter			
Output impedance	Ω	75	
Terr. Frequency rango	MHz	47~860	
Terr. Flatness	dB	± 0.75	
Terr. Output level	dBμV	≥ 80	
Terr. Return loss	dB	≥ 14	
CNR	dB	≥ 50	
CSO	dB	≥ 62	
CTB	dB	≥ 65	
Sat-IF frequency range	MHz	950~2150	
Sat-IF return loss	dB	≥ 10dB	
Sat-IF flatness	dB	± 1.5	
Sat-IF output level	dBμV	75 ± 5	
AGC stability	dB	± 1	
Other parameter			
Power supply	Vdc	20	
Power consumption	W	< 10	



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(* Testing conditions: -1dBm input power, 1550nm 3.8% OMI at 59Ch Pa-D