

ARRIS AR3002G

ANALOGER VORWÄRTSKANAL-RECEIVER

Der AR3002G Analog-Receiver unterstützt ein Vorwärtskanal-Durchlassbereich von 46 bis 1002 MHz. Die kompakte Bauweise erlaubt bis zu 14 Receiver in einem 3RU Gehäuse zu installieren.

Die Ausgangspegel des AR3002G erlauben eine passive HF-Aufteilung, sparen dadurch Platz und erhöhen die Zuverlässigkeit.

Der Receiver kann für DWDM Anwendungen mit integrierten Demultiplex-Back-Plates verwendet werden, wodurch eine dramatische Reduktion im Platzbedarf erreicht wird.



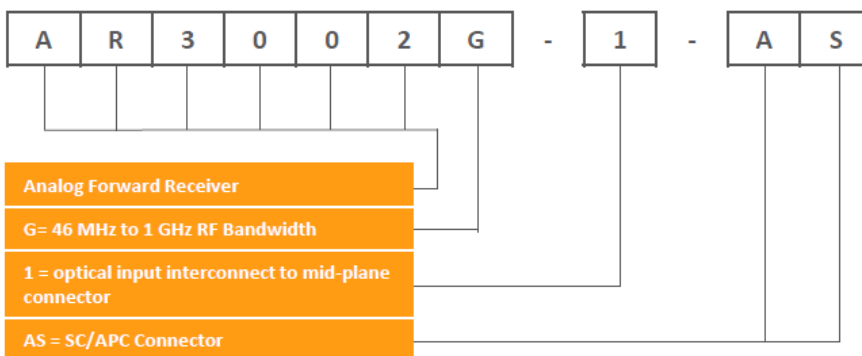
- Hoher HF Ausgangspegel mit exzellenter Distortion Performance (28 dBmV bei 0 dBm Input, 4% OMI)
- Demultiplexing Back-Plates für DWDM Anwendungen verfügbar (bis zu 4 Receiver pro kaskadierbarer Back-Plate)
- Hohe Pack-Dichte (bis zu 14 Receiver pro Gehäuse)
- -20dB Ausgangstestpunkt an der Vorderseite
- Hot Plug-In / Out
- Status Monitoring lokal oder über Fernsteuerung möglich
- Belegt einen ganzen Steckplatz

SPEZIFIKATIONEN

PHYSICAL		ENVIRONMENTAL	
Dimensions	13.0" D x 4.3" H x 1.0" W (3RU) (33 cm x 11 cm x 2.5 cm)	Operating temperature range	-20° to +65°C (-4° to 149°F)
		Storage temperature range	-40° to +85°C (-40° to 185°F)
Weight	1.5 lbs (0.68 kg)	Humidity	5% to 95% non-condensing
RF AND OPTICAL INTERFACE		ELECTRICAL	
RF output	F-type (female connector at Back Plate)	46-1002 MHz	Passband
		Frequency response	±0.75 dB
		Nominal output level	28 dBmV (@ 0 dBm input, 4% OMI, 1310 nm)
		Output return loss, min	18 dB
RF output test point	G-type (male connector at front panel, -20 dB)	Level stability	±0.25 dB
Optical connector	SC/APC (connector at mid-plane mates to BP-A5 or BP-35D4x)	Level repeatability	±0.5 dB
POWER REQUIREMENTS		GENERAL	
Input voltage	12 VDC	Hot Plug-In / Out	
Power consumption	10 W		

OPTICAL		DISTORTIONS																				
Wavelength	1260 nm – 1620 nm	<table><tr><td colspan="3">AR3002G (nominal output level +28 dBmV)</td></tr><tr><td colspan="3">77 CW</td></tr><tr><td></td><td>min</td><td>typ</td></tr><tr><td>C/CSO (dB)</td><td>71</td><td>76</td></tr><tr><td>C/CTB (dB)</td><td>78</td><td>82</td></tr><tr><td>C/XMOD (dB)</td><td>74</td><td>81</td></tr></table>			AR3002G (nominal output level +28 dBmV)			77 CW				min	typ	C/CSO (dB)	71	76	C/CTB (dB)	78	82	C/XMOD (dB)	74	81
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Input return loss	45 dB																					
Optical power input range	PIN (1310/1550 nm), typ: –6 to +2 dBm Max PIN: +6 dBm (damage level)																					
Responsivity (1310/1550 nm), nominal	0.85 / 0.95 A/W																					

BESTELLINFORMATIONEN



Back Plate Options for AR3002G FPR

When ordering an AR3002G FPR (optical input interconnect to the chassis mid-plane), the back plate must be separately ordered. Two different styles of back plate are available in this case, depending on the application. One style provides connection for a single receiver. This single-width back plate may be ordered as:

B	P	-	A	5
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The second style provides connections for a group of four receivers installed in adjacent chassis slots. These 4-channel demux back plates (for which the DWDM inputs can be cascaded from one back plate to another) may be ordered for various channel groups as specified on the associated data sheets:

B	P	-	3	5	D	4	*	-	*	-	0	0	-	A	S
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