



COTSWORKS® Opto-Electronic Product Matrix

RCP 10G-SX-DX 850nm												
RCP 10G-SX-TX 850nm												
RCP 10G-SX-RX 850nm	RJ 10G-SX 850nm				SFF 4G-SX-DPLX 850nm							
RCP 5G-SX-DX 850nm	RJ 10G-LR 1310nm	RJ 3G-TX2 850nm	RJ 3G-EX-DPLX 1310nm	SFF 3G-TX2 850nm	SFB 3G-xx 1310-1550nm	DSUB 5G-DX 850nm						
RCP 5G-SX-TX 850nm	RJ 10G-LR-xx LR4	RJ 3G-RX2 850nm	RJ 3G-ZX-DPLX 1550nm	SFF 3G-RX2 850nm	SFB G-xx 1310-1550nm	DSUB 5G-TX2 850nm	LAC 10G-SR-TX 850nm					
RCP 5G-SX-RX 850nm	RJ 5G-SX-C 850nm	RJ 3G-LX-DPLX 1310nm	RJ 155M-FX-DPLX 1310nm	SFF 3G-LX-DPLX 1310nm	SFB M-xx 1310-1550nm	DSUB 5G-RX2 850nm	LAC 10G-SR-RX 850nm					

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Product Matrix

COTSWORKS Part Number

RJ

RCP

SFB

SFF

DSUB

LAC

Additional Configurations available upon request.

	COTSWORKS Part Number	Data Rate Range	Wavelength	Transmitter Type	Channel Configuration	Min. Optical Output Pwr	Max. Optical Output Pwr
	RJ-10G-SX	6-10Gbps	850nm	VCSEL	RX/TX	-5dBm	-1dBm
	RJ-10G-TX2	6-10Gbps	850nm	VCSEL	2TX	-5dBm	-1dBm
	RJ-10G-RX2	6-10Gbps	850nm	N/A	2RX	-	-
	RJ-10G-LR	8-10Gbps	1310nm	DFB	RX/TX	-5dBm	-1dBm
	RJ-10G-LR4	8-10Gbps	CDWM	DFB	RX/TX	-5dBm	0.5dBm
	RJ-5G-SX-X/C	1-5Gbps	850nm	VCSEL	RX/TX	-5dBm	-1dBm
	RJ-3G-TX2	1-3Gbps	850nm	VCSEL	2TX	-5dBm	-1dBm
	RJ-3G-RX2	1-3Gbps	850nm	N/A	2RX	-	-
	RJ-3G-LX	125Mbps-3Gbps	1310nm	FP	RX/TX	-5dBm	1dBm
	RJ-3G-EX	125Mbps-3Gbps	1310nm	DFB	RX/TX	-1dBm	3dBm
	RJ-3G-ZX	125Mbps-3Gbps	1550nm	DFB	RX/TX	-1dBm	5dBm
	RJ-155M-FX	155Mbps	1310nm	LED	RX/TX	-20dBm	-14dBm
	RCP-10G-SX-DX	6-10 Gbps	850nm	VCSEL	2TX, 2RX	-5dBm	-0.8dBm
	RCP-10G-SX-TX	6-10 Gbps	850nm	VCSEL	4TX	-5dBm	-0.8dBm
	RCP-10G-SX-RX	6-10 Gbps	850nm	N/A	4RX	-	-
	RCP-5G-SX-DX	1-5Gbps	850nm	VCSEL	2TX, 2RX	-5dBm	-1dBm
	RCP-5G-SX-TX	1-5Gbps	850nm	VCSEL	4TX	-5dBm	-1dBm
	RCP-5G-SX-RX	1-5Gbps	850nm	N/A	4RX	-	-
	SFB-3G-xx	3Gbps	1310/1550nm	FP	BiDi	-9dBm	-1dBm
	SFB-G-xx	1.25Gbps	1310/1550nm	FP	BiDi	-6dBm	0dBm
	SFB-M-xx	155Mbps	1310/1550nm	FP	BiDi	-9dBm	-3dBm
	SFF-4G-SX	1.25Gbps-4Gbps	850nm	VCSEL	RX/TX	-5dBm	-1dBm
	SFF-3G-TX2	3Gbps	850nm	VCSEL	2TX	-5dBm	-1dBm
	SFF-3G-RX2	2.83Gbps-3Gbps	850nm	N/A	2RX	-	-
	SFF-3G-LX	1.25Gbps-3Gbps	1310nm	FP	RX/TX	-5dBm	-1dBm
	DSUB-5G-DX	1-5Gbps	850nm	VCSEL	RX/TX	-5dBm	-1dBm
	DSUB-5G-TX2	1-5Gbps	850nm	VCSEL	2TX	-5dBm	-1dBm
	DSUB-5G-RX2	1-5Gbps	850nm	N/A	2RX	-	-
	LAC-10G-SR-TX	10Gbps	850nm	VCSEL	TX	-5dBm	-1dBm
	LAC-10G-SR-RX	10Gbps	850nm	N/A	RX	N/A	N/A

RX Sensitivity Max (At Max Data Rate)	Link Budget Min.	Fiber Type	Operating Temps	Metric Screw	Imperial Screw	EMI Clip	ATEX Certification	Diagnostics	100 Base-X	1000 Base-X	10G Base-R	ARINC 664 (100Mbps)	ARINC 818 (3 Gbps)	1x Fiber Channel	2x Fiber Channel	Infiniband (2.5 Gbps)	4x Fiber Channel	8x Fiber Channel	SONET OC-3/SDH STM-1	SONET OC-12/SDH STM-4	SONET OC-48/SDH STM-16	SONET OC-192/SDH STM-64	HOTLINK (400MBPS)	XAU1 (4X 3.125 Gbps)	sFPD (3.125 Gbps)
-11.1dBm	6.1dBm	MMF	■ ★ ●	●	●	●	●	●			●							●				●			
-	-	MMF	■ ★ ●	●	●	●		●			●							●				●			
-12dBm	-	MMF	■ ★ ●	●	●	●		●			●							●				●			
-12.6dBm	7.6dBm	SMF	■	●	●	●		●			●							●				●			
-14dBm	9dBm	SMF	■	●	●	●		●			●							●				●			
-14dBm	9dBm	MMF	■ ★ ●	●	●	●	●	●	●	●			●	●	●	●	●		●	●	●		●	●	●
-	-	MMF	■ ●	●	●	●	●		●	●			●	●	●	●	●		●	●	●		●	●	●
-15dBm	-	MMF	■ ●	●	●	●	●			●			●	●	●	●	●		●	●	●		●	●	●
-20dBm	15dBm	SMF	■ ●	●	●	●		●					●	●	●	●	●		●	●	●		●	●	●
-20dBm	19dBm	SMF	■ ●	●	●	●		●		●			●	●	●	●	●		●	●	●		●	●	●
-22dBm	21dBm	SMF	■	●	●	●		●		●			●	●	●	●	●		●	●	●		●	●	●
-33dBm	13dBm	MMF	■	●	●	●	●		●			●							●						
-12dBm	7dBm	MMF	■	●	●			●			●							●				●			
-	-	MMF	■	●	●			●			●							●				●			
-12dBm	-	MMF	■	●	●			●			●							●				●			
-14dBm	9dBm	MMF	■ ● ▲	●	●			●	●	●			●	●	●	●	●		●	●	●		●	●	●
-	-	MMF	■ ● ▲	●	●			●		●			●	●	●	●	●		●	●	●		●	●	●
-14dBm	-	MMF	■ ● ▲	●	●			●		●			●	●	●	●	●		●	●	●		●	●	●
-20dBm	11dBm	SMF	■ ★ ●					●					●										●	●	●
-22dBm	22dBm	SMF	■					●		●				●											
-31dBm	22dBm	SMF	■						●			●							●				●	●	●
-15dBm	10dBm	MMF	■ ●				●	●		●			●	●	●	●	●					●	●	●	●
-	-	MMF	■ ●				●	●		●			●	●	●	●	●					●	●	●	●
-15dBm	-	MMF	■ ●				●	●		●			●	●	●	●	●					●	●	●	●
-18dBm	13dBm	MMF	■ ●				●	●		●			●	●	●	●	●					●	●	●	●
-13dBm	8dBm	MMF	■							●			●	●	●	●	●					●	●	●	●
-	-	MMF	■							●			●	●	●	●	●					●	●	●	●
-13dBm	-	MMF	■							●			●	●	●	●	●					●	●	●	●
N/A	-	MMF	■								●								●				●	●	●
-11dBm	-	MMF	■								●								●				●	●	●

Legend

- -40°C to 85°C
- ▲ -40°C to 100°C
- Available
- ★ -55°C to 95°C
- -40°C to 95°C

Questions? Contact us at 440-446-8800 or visit us at ruggedfiberoptics.com