



# COTSWORKS® Opto-Electronic Product Matrix

<b>RCP</b> 10G-SX-DX 850nm									
<b>RCP</b> 10G-SX-TX 850nm									
<b>RCP</b> 10G-SX-RX 850nm	<b>RJ</b> 10G-SX 850nm			<b>SFF</b> 4G-SX-DPLX 850nm					
<b>RCP</b> 5G-SX-DX 850nm	<b>RJ</b> 10G-LR 1310nm	<b>RJ</b> 3G-TX2 850nm	<b>RJ</b> 3G-EX-DPLX 1310nm	<b>SFF</b> 3G-TX2 850nm	<b>SFB</b> 3G-xx 1310-1550nm	<b>DSUB</b> 5G-DX 850nm			
<b>RCP</b> 5G-SX-TX 850nm	<b>RJ</b> 10G-LR-xx LR4	<b>RJ</b> 3G-RX2 850nm	<b>RJ</b> 3G-ZX-DPLX 1550nm	<b>SFF</b> 3G-RX2 850nm	<b>SFB</b> G-xx 1310-1550nm	<b>DSUB</b> 5G-TX2 850nm	<b>LAC</b> 10G-SR-TX 850nm		
<b>RCP</b> 5G-SX-RX 850nm	<b>RJ</b> 5G-SX-C 850nm	<b>RJ</b> 3G-LX-DPLX 1310nm	<b>RJ</b> 155M-FX-DPLX 1310nm	<b>SFF</b> 3G-LX-DPLX 1310nm	<b>SFB</b> M-xx 1310-1550nm	<b>DSUB</b> 5G-RX2 850nm	<b>LAC</b> 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	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	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	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	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	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	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](http://ruggedfiberoptics.com)