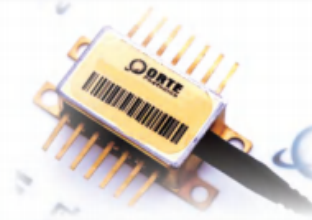


### Features 特点

Output Power up to 100mW  
Linewidth as low as 60KHZ

### Applications 应用

Lidar



### Optical Specification 性能规范

ELECTRO-OPTICAL CHARACTERISTICS						
PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITIONS
Threshold Current	$I_{th}$	-	-	50	mA	DC
Operating Temperature	$T_{op}$	-20	25	65	°C	$I_F=I_{op}$
Operating Current	$I_{op}$	-	500	800	mA	DC
Operating Output Power	$P_o$	-	70	100	mW	-
Monitor PD Responsivity	$r_{MPD}$	50	-	4000	μA	-
Operating Wavelength	$\lambda_{op}$	1545	1550	1555	nm	$I_F=I_{op}$
Side Mode Suppression	SMSR	35	-	-	dB	$I_F=I_{op}$
Optical Isolation	ISO	30	-	-	dB	DC
Optical Return Loss	ORL	40	-	-	dB	DC
Input Impedance	$Z_{IN}$	-	25	-	Ohms	-
TEC Temp Range	$T_c$	15	-	45	°C	DC
TEC Current	$I_{TEC}$	-1	-	1.6	Amp	$-20 < T_c < 65^{\circ}C, I_F=500mA$
Thermistor Resistance	$R_{th}$	9.5	10	10.5	KΩ	DC
TE Cooler Voltage	$V_{th}$	-2.5	-	3.8	V	$T_{op}=25^{\circ}C$
Polarization Extinction Ratio	PER	17	-	-	dB	$I_F=I_{op}$
Spectral Linewidth	$\Delta \lambda$	-	-	1000	KHz	refer to Product Ordering Guide

The above product information is for reference only, please contact our company for the latest information.

### Product Ordering Guide 产品订购指南

FamilyName	MAXlinewidth(kHz)	Connector
ORTE7155	100	S: SC/APC
	300	F: FC/APC
	1000	N: NONE