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		Feature	es					~~						
I		第 3.0mmx1.0mm right angle SMT LED, 2.0mm thickness.					0.3(.012) - 3.0(.118) - 0.3(.012)							
			wer consumption	-					0.0(.					
		₩Wide vi	ewing angle.								1 0		o o	
∣⊦		ЖIdeal fo	r back light and	indicator.					2(.0)79)			<u> </u>	
		₩Various	colors and lens	s types available.										
		ЖРасkag	e : 2000pcs / re	el.			19			_ \'				
6		ЖMoistur	e sensitivity leve	el : level 3.			0.00.079							
		₩Tinned	pads for improve	ed solderability.			2.0	1(.04)						
		₩RoHS o	ompliant.											
F		Descrip	tion									K	TT	
		The Hype	r Red source co	lor devices are m	nade with Al-			0.25	(01)		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	(A)	AL CD	
		GalnP on	GaAs substrate	Light Emitting D	iode.	Р	OLARITY		(.01)	0.25(.0	-			
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											Z			
		Notes: 1. All dime	nsions are in millir	meters (inches).										
		2. Toleran	ce is 0.15(0.006")	unless otherwise n cteristics and techn		l in the da	atashoot aro	subject to cha	ngo with	out prior poti	20			
C				ounting surface. Th										
												LED-W	/RD-10- <u>LF</u> LEADF	DEE
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Selection Guide									
Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]				
			Min.	Тур.	201/2				
LED-VRDR-20	Hyper Red (AlGaInP)	Water Clear	120	250	120				
LED-VRDR-20		water Clear	*55	*90					

Notes: 1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value. 2. Luminous intensity/ luminous Flux: +/-15%. * Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25C

Symbol	Parameter	Device	Тур.		Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Red	650	*645		nm	IF=20mA
λD [1]	Dominant Wavelength	Hyper Red	630	*630		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	2	7		nm	IF=20mA
С	Capacitance	Hyper Red	4	5 p	F V		F=0V;f=1MHz
Vf [2]	Forward Voltage	Hyper Red	1	.9	2.5	V	IF=20mA
IR	Reverse Current	Hyper Red			10	uA	VR=5V

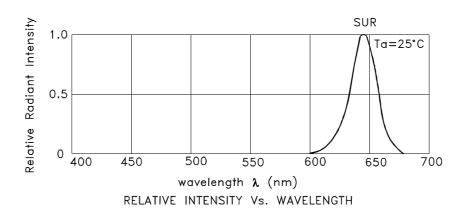
Notes:

1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. * Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25C

Parameter	Hyper Red	Units
Power dissipation	75	mW
DC Forward Current	30	mA
Peak Forward Current [1]	185	mA
Reverse Voltage	5	V
Operating Temperature	-40蚓 To +85C	
Storage Temperature	-40蚓 To +85C	

Note: 1. 1/10 Duty Cycle, 0.1ms Pulse Width.



Hyper Red

