



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE*		21/6.3*	24/7.2*	V <sub>f</sub>	
REVERSE VOLTAGE	25			V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY		9000		μcd	I <sub>f</sub> =10mA
EMITTED COLOR:	RED				
FACE COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

\* SECOND VALUE FOR DECIMAL POINT AND COMMA.

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		80	mA
STEADY CURRENT		12	mA
POWER DISSIPATION		60	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

\* t<10μS

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER  
LDS-CA504RI

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5.0" SINGLE DIGIT SEVEN SEGMENT DISPLAY,  
635nm RED CHIPS, GRAY FACE,  
MILKY WHITE DIFFUSED SEGMENTS, COMMON CATHODE.

**RELIABILITY NOTE**  
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

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SCALE: N/A