## UNCONTROLLED DOCUMENT



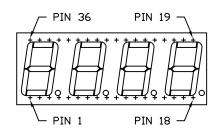
PART NUMBER

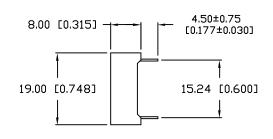
LDQ-A512RI

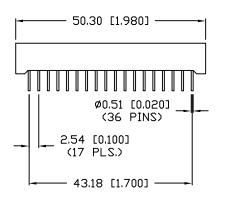
REV. E.C.N. NUMBER AND REVISION COMMENTS

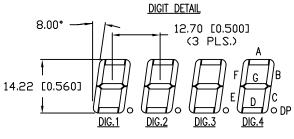
DATE

REV.









ELECTRO-OPTICAL	CHARACTERISTICS	T <sub>A</sub> =25°C		If=10mA
DADAMETED	MINI	TVD	MAY	HIMITS

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	5	65 (GREEN	1)	nm	
FORWARD VOLTAGE		2.2	2.6	$v_f$	
REVERSE VOLTAGE	5.0			$V_r$	Ir=100µA
AXIAL INTENSITY		3900		μcd	$I_f = 10mA$
EMITTED COLOR:	GREEN				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY W	HITE DIFFU	SED		
SEGMENT COLOR:	MILKY W	HITE DIFFU	SED		

## LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	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

(X)

32	31 COMMON	I ANODES <sub>23</sub>	22
DIGIT 1	DIGIT 2	DIGIT 3	DIGIT 4
A B C D E F G DP  Y Y Y Y Y Y Y Y  34 33 3 2 1 36 35 4	A B C D E F G DP  Y Y Y Y Y Y Y  29 28 8 6 5 30 7 9	A B C D E F G DP  Y Y Y Y Y Y Y Y  25 24 12 11 10 27 26 13	A B C D E F G DP  Y Y Y Y Y Y Y Y  20 19 17 15 14 21 16 18

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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV.

PART NUMBER LDQ-A512RI

0.56" QUAD DIGIT DISPLAY, RIGHT HAND DECIMAL, 565nm GREEN CHIPS, GRAY FACE, WHITE SEGMENTS, COMMON ANODE, DIRECT DRIVE.

CONFIDENTIAL INFORMATION

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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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DRAWN BY: CHECKED BY: APPROVED BY: DATE: 8-30-99 PAGE: 1 OF 1 SCALE: N/A DU