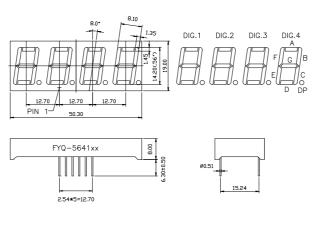
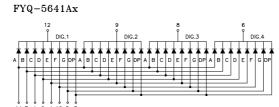
DESCRIPTION

- 14.2mm (0.56") Four digit and Over numeric display series.
- Standard brightness.
- Low current operation.
- Excellent character apperance.
- Easy mounting on P.C.boards or sockets

Package Dimensions &Internal Circuit Diagram

FYQ-5641 Series





FYQ-5641Bx

12

9

DIG.1

DIG.2

B

DIG.3

DIG.4

A B C D E F C DP A B C D E T D

Notes:

- · All dimensions are in millimeters (inches)
- Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
- Specificaions are subject to change whitout notice.

: Absolute maximum ratings (Ta=25 $^{\circ}$ C)

Dawamatau	Ch a l		Va	11. 24		
Parameter	Symbol	Test Condition	Min	Max	Unit	
Reverse Voltage	VR	IR=30μA	5		V	
Forward Current	IF			30	mA	
Power Dissipation	Pd			100	mW	
Pulse Current	Ipeak	Duty=0.1mS, 1KHz		150	mA	
Operating Temperature	Topr		-40	+85	° C	
Storage Temperature	Tstr		-40	+85	° C	

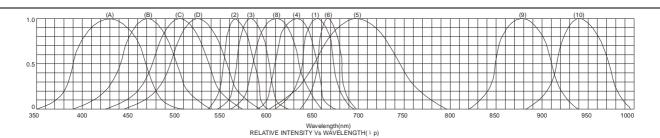
• -XX: Surface / Lens color:

Number	0	1	2	3	4	5
Ref Surface Color	White	Black	Gray	Red	Green	
Epoxy Color	Water clear	White diffused	Red Diffused	Green Diffused	Yellow Diffused	

■ Description:

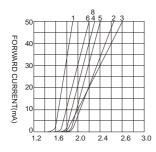
· Color Code & Chip characteristics: (Test Condition: IF=20mA)

		Dice Material	Peak Wave Length(λ _P)	Spectral Line halfwidth(Forward Voltage(VF) Unit:V		Luminous Intensity (Iv)
				∆λ1/2 ₎	Тур	Max	Unit:mcd
Н	Red	GaP	700nm	90nm	2.20	2.50	5.0
S, SR	Hi Red	AlGaAs,SH	660nm	20nm	1.80	2.20	15-20
D	Super Red	AlGaAs,DH	660nm	20nm	1.80	2.20	20-30
LR	Ultra Red	AlGaAs,DDH	660nm	20nm	1.90	2.40	26-38
HR	HE Red	GaAsP	640nm	45nm	1.90	2.40	50-80
E	Orange	GaAsP	630nm	35nm	2.10	2.50	10-20
Α	Amber	GaAsP	610nm	35nm	2.10	2.50	15-20
Υ	Yellow	GaAsP	590nm	35nm	2.10	2.50	15-20
G	Green	GaP	570nm	30nm	2.20	2.50	14-18
Ultra	a brightness						
UH R	Ultra Hi Red	AlGaInP	645nm	20nm	2.10	2.50	80-150
UE	Ultra Orange	AlGaInP	630nm	20nm	2.10	2.50	180-210
UA	Ultra Amber	AlGaInP	610nm	20nm	2.10	2.50	90-120
UY	Ultra Yellow	AlGalnP	590nm	20nm	2.10	2.50	150-200
UG	Ultra Green	AlGalnP	570nm	30nm	2.20	2.50	60-100
PG	Ultra Pure Green	InGaN	520nm	36nm	2.80	3.80	260-310
BG	Ultra Blue Green	InGaN	505nm	36nm	2.80	3.80	260-310
В	Blue	InGaN	430nm	30nm	2.80	3.80	10-20
UB	LID LIII- Dice	In C a N	470nm	30nm	2.80	3.80	80-90
UB	Ultra Blue	InGaN	460nm	30nm	2.80	3.80	80-90
V	UV	InGaN	405nm		2.80	3.80	5-8
W	White	InGaN	X=0.29,y=0.30		2.80	3.80	180-200
U W	Ultra White	InGaN	X=0.29,y=0.30		2.80	3.80	180-200
Segr	Segment-to-Segment Luminous Intensity ratio(Iv-M) 1.5:1						

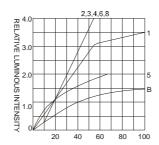


- (1) GaAsP/GaAs 655nm/Red
- (2) GaP 570nm/Yellow Green
- (3) GaAsP/GaP 585nm/Yellow
- (4) GaAsp/GaP 635nm/Orange & Hi-Eff Red
- (5) GaP 700nm/Bright Red
- (6) GaAlAs/GaAs 660nm/Super Red
- (8) GaAsP/GaP 610nm/Super Red

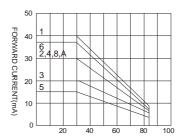
- (9) GaAlAs 880nm
- (10) GaAs/GaAs & GaAlAs/GaAs 940nm
- (A) GaN/SiC 430nm/Blue
- (B) InGaN/SiC 470nm/Blue
- (C) InGaN/SiC 505nm/Ultra Green
- (D) InGaAl/SiC 525nm/Ultra Green



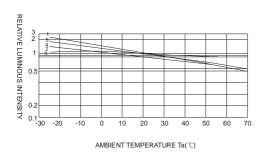
FORWARD VOLTAGE (Vf) FORWARD CURRENT VS. FORWARD VOLTAGE

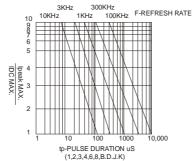


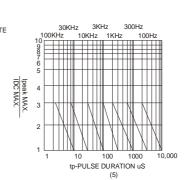
FORWARD CURRENT (mA) RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT



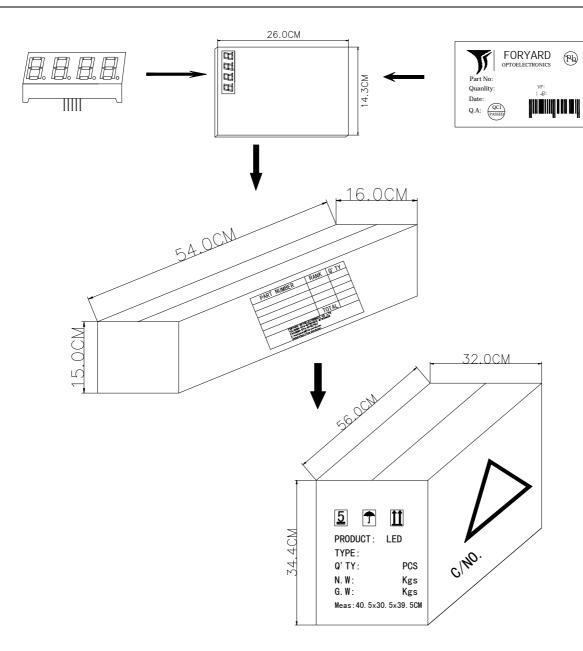
AMBIENT TEMPERATURE Ta(°C) FORWARD CURRENT VS. AMBIENT TEMPERATURE







NOTE:25 °C free air temperature unless otherwise specified



type	QTY/foam(pcs)	QTY /Bundle (pcs)	QTY / CARTONDimension
FYQ-5641ABx-xx	7*5=35	35*16=560	560*4=2240